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 DATE: Wednesday, April 13, 2005 [Printable Copy](#) [Create Case](#)

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<u>L4</u>	705/?ccls.	9628	<u>L4</u>
<u>L3</u>	L2 and @ad<=20000711 (recycl\$ near2 (center or station or house or agency or company)) and	109	<u>L3</u>
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L8: Entry 2 of 2

File: DWPI

Mar 10, 2005

DERWENT-ACC-NO: 2001-073007

DERWENT-WEEK: 200519

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TITLE: Recycled plastic material is made from laser engraved thermoplastic, thermoplastic containing metal, thermoplastic from inkjet apparatus or thermoplastic contaminated with ink and components

INVENTOR: AKINO, S; ASAKURA, O ; BUNGO, T ; IWASAKI, T ; KOIKE, Y ; MATSUHISA, H ; MATSUMOTO, M ; URAKI, I

PATENT-ASSIGNEE: CANON KK (CANO), AKINO S (AKINI), ASAKURA O (ASAKI), BUNGO T (BUNGI), IWASAKI T (IWASI), KOIKE Y (KOIKI), MATSUHISA H (MATSI), MATSUMOTO M (MATSI), URAKI I (URAKI)

PRIORITY-DATA: 2000JP-0116965 (April 18, 2000), 1999JP-0134867 (May 14, 1999)

Search Selected

Search ALL

Clear

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>US 20050051919 A1</u>	March 10, 2005		000	B29B017/00
<input type="checkbox"/> <u>EP 1055500 A2</u>	November 29, 2000	E	037	B29B017/02
<input type="checkbox"/> <u>JP 2001030248 A</u>	February 6, 2001		025	B29B017/00
<input type="checkbox"/> <u>US 20030199596 A1</u>	October 23, 2003		000	C08J011/04
<input type="checkbox"/> <u>US 6864294 B2</u>	March 8, 2005		000	C08J011/04

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US20050051919A1	May 4, 2000	2000US-0564501	Div ex
US20050051919A1	October 20, 2004	2004US-0968021	
EP 1055500A2	May 11, 2000	2000EP-0110003	
JP2001030248A	April 18, 2000	2000JP-0116965	
US20030199596A1	May 4, 2000	2000US-0564501	
US 6864294B2	May 4, 2000	2000US-0564501	

INT-CL (IPC): B03 B 5/28; B03 B 7/00; B03 C 1/00; B03 C 1/23; B07 B 4/00; B07 B 9/00; B07 B 15/00; B23 K 26/00; B29 B 9/16; B29 B 17/00; B29 B 17/02; B41 C 1/05;

B41 J 2/01; B41 M 5/24; C08 J 11/04

ABSTRACTED-PUB-NO: EP 1055500A

BASIC-ABSTRACT:

NOVELTY - A recycled plastic material is made from laser engraved thermoplastic, thermoplastic containing a metal, thermoplastic used in an inkjet apparatus or thermoplastic to which ink and components are stuck.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following: (a) The above material is made by pulverizing and cleaning the thermoplastic, drying it to removing a cleaning solution and then removing any material present other than the dried thermoplastic. (c) Manufacturing a plastic part includes disassembling an electronic apparatus or an ink container to obtain thermoplastic that is treated as in (a) and the recycled plastic material is then moulded to form the part. (d) A recycled plastic material recovered from a moulded thermoplastic has an impact strength at most 80% of the virgin material and a melt flow rate 90 - 120% of the virgin material. (e) A recycled plastic material is produced as in (a) with an impact strength and melt flow rate within preset values. (f) Recycling plastic from an ink container as in (a) to produce a material whose physical property values are within preset ranges of the virgin material. (g) Recycling material as in (a) using a 4 - 10 mm mesh screen at the pulverising stage, 10 parts by weight of cleaning solution to 1 part of pulverised material, dehydrating the material to a moisture content at most 0.30 wt %, air classification to remove foamed material, a magnet to remove a first metal and a metal detecting/removing device to remove a second metal. The remaining pellets are melted, kneaded and extruded and palletised. Preferred Features: The cleaning solution includes a surfactant and an additive to adjust its pH. The solution is reused after passing through a 25 - 200 micro m mesh. Alternatively the solution is water that is distilled prior to reuse.

USE - Production of high quality recycled thermoplastic.

ADVANTAGE - The recycled plastic has properties little lower than virgin material.

DESCRIPTION OF DRAWING(S) - The drawing shows a recycling apparatus

pulveriser 101

conveyor 102

shaking screen 103

waste tank 104

collecting tank 105

magnetic separator 106

screw feeders 107,128

hoppers 108,134

motors 109,112

cleaning solution tank 110

cleaning/dehydrating apparatus 113

air blowers 114,127

cyclone 115

buffer tank 117

distillation concentrator 118

condensate tank 119

concentrated solution tank 120

filter 121

rotary valve 122

aspirator 123

blowers 124,133

collecting tanks 125,132

magnetic separator 126

stock tank 129

metal separator 131

collecting vessel 135

ABSTRACTED-PUB-NO: EP 1055500A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.4/17

DERWENT-CLASS: A35 P41 P43 P55 P74 P75 V04

CPI-CODES: A11-C03A;

EPI-CODES: V04-X01C;

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Foreign Information for 09/900388

Priority#	Date	Country
210145/2000	07/11/2000	JAPAN

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L1: Entry 1 of 2

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040128206
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040128206 A1

TITLE: Book resource recycling system

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Peng, Wen Fu	Taipei		TW	

APPL-NO: 10/ 336492 [\[PALM\]](#)
DATE FILED: December 30, 2002

INT-CL: [07] [G06 F 17/60](#)

US-CL-PUBLISHED: 705/026
US-CL-CURRENT: [705/26](#)

REPRESENTATIVE-FIGURES: 3

ABSTRACT:

A book resource recycling system for providing a channel for people to buy or sell the secondhand books comprises: a book resource recycling server, store terminals and a member terminal. The book resource recycling server has a book resource recycling center for obtaining a commerce record from the store terminals via the network. The store terminals and member terminal also can obtain book inquiry data from the book resource recycling server via the network. Therefore, the system can provide the channel for people to buy/sell the secondhand books so as to reduce the waste of the book resource.

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L1: Entry 2 of 2

File: JPAB

Oct 31, 2002

PUB-NO: JP02002318978A

DOCUMENT-IDENTIFIER: JP 2002318978 A

TITLE: LEASE MANAGEMENT SYSTEM AND LEASE MANAGEMENT METHOD

PUBN-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME

COUNTRY

UCHIYAMA, KOJI

KAWAGUCHI, MUTSUHIRO

HOTSUKI, YOJI

NAKAMURA, NORIHARU

KONO, MITSURU

NAKANO, TAKASHI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

RICOH CO LTD

RICOH LEASING CO LTD

APPL-NO: JP2001125131

APPL-DATE: April 23, 2001

INT-CL (IPC): G06 F 17/60

ABSTRACT:

PROBLEM TO BE SOLVED: To uniformly manage a leased property from machine model selection and purchase down to disposal.

SOLUTION: An ASP 11 receives an application specifying an applicant, the kind of a device to be leased, a lease period and the like from a customer system 21. The ASP 11 orders the requested device to a maker. The maker delivers the ordered device to a kitting company 41. The kitting company 41 performs a kitting such as addition of parts, installation of software or the like based on a contract and the application contents, and then delivers the product to the customer. During the lease period, the ASP 11 properly collects and updates the change of customer information or the like, and reports the expiration of the lease period to the customer in a prescribed period before the expiration. When the customer designates the picking-up of the leased property to the leasing company, a processing such as recycle, sales to secondhand market, disposal or the like is performed according to the degree.

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 **PALM INTRANET****Patent Number Information**Application Number: **09/564501****Assignments**Filing or 371(c) Date: **05/04/2000**Effective Date: **05/04/2000**Application Received: **05/04/2000**Pat. Num./Pub. Num: **6864294/20030199596**Issue Date: **03/08/2005**Date of Abandonment: **00/00/0000**Attorney Docket Number: **862.C1910**Status: **150 / PATENTED CASE**Confirmation Number: **2101**Examiner Number: **69658 / CAIN, EDWARD**Group Art Unit: **1714 IFW IMAGE**

Class/Subclass:

521/040.000Lost Case: **NO**

Interference Number:

Unmatched Petition: **NO**L&R Code: SecrecyCode: **1**Third Level Review: **NO** Secrecy Order: **NO**Status Date: **02/16/2005**Oral Hearing: **NO**

Title of Invention: **RECYCLED PLASTIC MATERIAL, ELECTRONIC APPARATUS HAVING THE RECYCLED PLASTIC MATERIAL, METHOD OF MANUFACTURING PLASTIC PART, METHOD OF MANUFACTURING THE RECYCLED PLASTIC MATERIAL, AND METHOD OF REUSING PLASTIC MATERIAL**

**Appln
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Day : Wednesday

Date: 4/13/2005

Time: 07:11:32

PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = MATSUMOTO

First Name = MIZUKO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>09564501</u>	<u>6864294</u>	150	05/04/2000	RECYCLED PLASTIC MATERIAL, ELECTRONIC APPARATUS HAVING THE RECYCLED PLASTIC MATERIAL, METHOD OF MANUFACTURING PLASTIC PART, METHOD OF MANUFACTURING THE RECYCLED PLASTIC MATERIAL, AND METHOD OF REUSING PLASTIC MATERIAL	MATSUMOTO, MIZUKO
<u>09900388</u>	Not Issued	071	07/06/2001	COMMUNICATION METHOD, AND NETWORK DEVICE OR SYSTEM FOR PURCHASING NEW ITEM OR PICKING-UP OF OLD ITEMS	MATSUMOTO, MIZUKO
<u>10944762</u>	Not Issued	020	09/21/2004	RECYCLED PLASTIC MATERIAL, ELECTRONIC APPARATUS HAVING THE RECYCLED PLASTIC MATERIAL METHOD OF MANUFACTURING PLASTIC PART, METHOD OF MANUFACTURING THE RECYCLED PLASTIC MATERIAL, AND METHOD OF REUSING PLASTIC MATERIAL	MATSUMOTO, MIZUKO
<u>10968021</u>	Not Issued	020	10/20/2004	RECYCLED PLASTIC MATERIAL, ELECTRONIC APPARATUS HAVING THE RECYCLED PLASTIC MATERIAL, METHOD OF MANUFACTURING PLASTIC	MATSUMOTO, MIZUKO

				PART, METHOD OF MANUFACTURING THE RECYCLED PLASTIC MATERIAL, AND METHOD OF REUSING PLASTIC MATERIAL	
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Inventor Search Completed: No Records to Display.

Search Another: Inventor	Last Name	First Name	<input type="button" value="Search"/>
	MATSUMOTO	MIZUKO	

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